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KRAS Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant KRAS.
Catalog # AT2651a

Product Information

Application	WB, E
Primary Accession	P01116
Other Accession	NM_004985
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4F3
Calculated MW	21656

Additional Information

Gene ID	3845
Other Names	GTPase KRas, K-Ras 2, Ki-Ras, c-K-ras, c-Ki-ras, GTPase KRas, N-terminally processed, KRAS, KRAS2, RASK2
Target/Specificity	KRAS (NP_004976, 16 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KRAS Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

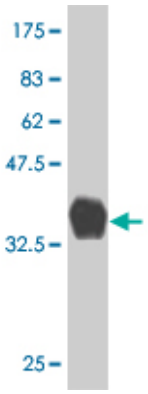
This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region.

References

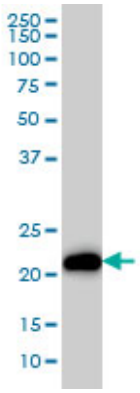
1.Synergistic Effects of Combined Wnt/KRAS Inhibition in Colorectal Cancer Cells.Mologni L, Brussolo S,

Ceccon M, Gambacorti-Passerini C.PLoS One. 2012;7(12):e51449. doi: 10.1371/journal.pone.0051449. Epub 2012 Dec 5.

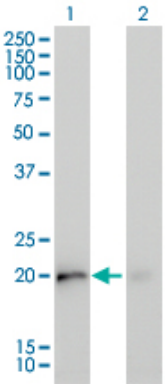
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

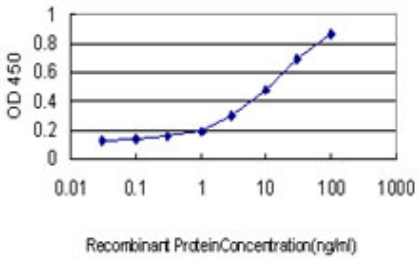


KRAS monoclonal antibody (M02), clone 4F3 Western Blot analysis of KRAS expression in HeLa ((Cat # AT2651a)



Western Blot analysis of KRAS expression in transfected 293T cell line by KRAS monoclonal antibody (M02), clone 4F3.

Lane 1: KRAS transfected lysate(21 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged KRAS is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.